

P24629.P01

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	P24629	Total Pages	
Inventor(s) or Application Identifier	Du-Soung KIM, Jihn-Koo LEE, Bong-Soo KIM, Seung-Jae LEE and Myoung-Jin KHA		
Title: CATALYST FOR REMOVING AROMATIC HALOGENATED COMPOUNDS COMPRISING DIOXIN, CARBON MONOXIDE, AND NITROGEN OXIDE AND USE THEREOF			

ADDRESS TO:

Commissioner for Patents
Mail Stop Patent Application
PO Box 1450
Alexandria, VA 22313-1450

US PTO
10/726551
17497

120403

APPLICATION ELEMENTS	ACCOMPANYING APPLICATION PARTS
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>a. <input type="checkbox"/> Small Entity Statement(s)</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages <u>33</u>] (preferred arrangement set forth below) - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure</p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <u>6</u>]</p> <p>5. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages <u>4</u>] a. <input type="checkbox"/> Newly executed (original or copy) <input checked="" type="checkbox"/> Unexecuted b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 20 completed) [Note Box 6 below] i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input type="checkbox"/> Incorporation By Reference (useable if Box 5b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</p> <p>7. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> <p>8. <input type="checkbox"/> CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix)</p>	<p>9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies</p> <p>10. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>11. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee)</p> <p>12. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>13. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>14. <input checked="" type="checkbox"/> Preliminary Amendment</p> <p>15. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</p> <p>16. <input checked="" type="checkbox"/> Figure of Drawing to be published <u>1</u></p> <p>17. <input checked="" type="checkbox"/> Foreign priority claimed a. <input checked="" type="checkbox"/> Claim of Priority b. <input type="checkbox"/> Certified Copy of Priority Document(s)</p> <p>18. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b) (2) (B) (i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>19. <input checked="" type="checkbox"/> Assignee: <u>KOCAT INC. of Seoul, Republic of Korea, and DONG YANG CONSTRUCTION CO., LTD. of Pohang-si, Republic of Korea</u></p> <p>20. <input checked="" type="checkbox"/> Other: <u>Cover Letter Filed Under 37 CFR 1.53(b) & (f).</u></p> <p>_____ _____ _____</p>

21. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 C.F.R. 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior Application No. /, filed _____.
Prior application information: Examiner: _____ Group Art Unit: _____

Address all future correspondence to **Customer No. 7055** at the present address of:

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1950 Roland Clarke Place
Reston, VA 20191
(703) 716-1191

12/4/03
Date


Signature
33329

Bruce H. Bernstein, Reg. No. 29,027
Typed or Printed Name

FEE TRANSMITTAL

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<p>1. <input checked="" type="checkbox"/> The U.S Patent and Trademark Office is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number <u>19-0089</u></p> <p>Deposit Account Name <u>GREENBLUM & BERNSTEIN, P.L.C.</u></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17, including any required extension of time fees in any concurrent or future reply requiring a petition for extension of time for its timely submission (37 CFR 1.136(a)(3)) <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b) <input checked="" type="checkbox"/> Applicant Claims Small Entity Status See 37 CFR 1.27.</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>				<p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Prior to Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for response within 1st month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for response within 2nd month</td><td></td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for response within 3rd month</td><td></td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for response within 4th month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Extension for response within 5th month</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive unavoidably abandoned application</td><td></td></tr> <tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Petition to revive unintentionally abandoned application</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Design issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Plant issue fee</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Submission of IDS</td><td></td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td colspan="4">Other fee (specify) _____</td><td colspan="4">Request for expedited examination of a design application</td></tr> <tr><td colspan="4">Other fee (specify) _____</td><td colspan="4">SUBTOTAL (3) (\$ 0.00)</td></tr> </tbody> </table> <p>*Reduced by Basic Filing Fee paid</p>				Large Entity Fee Code	Entity Fee (\$)	Small Entity Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for reexamination		1804	920*	1804	920*	Requesting publication of SIR		1805	1,840*	1805	1,840*	Prior to Examiner action		1251	110	2251	55	Requesting publication of SIR after Examiner action		1252	420	2252	210	Extension for response within 1st month		1253	950	2253	475	Extension for response within 2nd month		1254	1,480	2254	740	Extension for response within 3rd month		1255	2,010	2255	1,005	Extension for response within 4th month		1401	330	2401	165	Extension for response within 5th month		1402	330	2402	165	Notice of Appeal		1403	290	2403	145	Filing a brief in support of an appeal		1451	1,510	1451	1,510	Request for oral hearing		1452	110	2452	55	Petition to institute a public use proceeding		1453	1,330	2453	665	Petition to revive unavoidably abandoned application		1501	1,330	2501	665	Petition to revive unintentionally abandoned application		1502	480	2502	240	Utility issue fee (or reissue)		1503	640	2503	320	Design issue fee		1460	130	1460	130	Plant issue fee		1807	50	1807	50	Petitions to the Commissioner		1806	180	1806	180	Petitions related to provisional applications		8021	40	8021	40	Submission of IDS		1809	770	2809	385	Recording each patent assignment per property (times number of properties)		1810	770	2810	385	Filing a submission after final rejection (37 CFR 1.129(a))		1801	770	2801	385	For each additional invention to be examined (37 CFR 1.129(b))		1802	900	1802	900	Request for Continued Examination (RCE)		Other fee (specify) _____				Request for expedited examination of a design application				Other fee (specify) _____				SUBTOTAL (3) (\$ 0.00)			
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SUBMITTED BY				Complete (if applicable)	
Typed or Printed Name		Bruce H. Bernstein			Reg. Number
Signature				Date	12/4/03
				Deposit Account User ID	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Du-Soung KIM et al.

Serial No : Not Yet Assigned

Filed : Concurrently Herewith

For : CATALYST FOR REMOVING AROMATIC HALOGENATED COMPOUNDS
COMPRISING DIOXIN, CARBON MONOXIDE, AND NITROGEN
OXIDE AND USE THEREOF

**COVER LETTER ACCOMPANYING U.S. PATENT APPLICATION
FILED UNDER 37 C.F.R. 1.53(b) and 1.53(f)**

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Enclosed is a new patent application for filing in the U.S. Patent and Trademark Office under 37 C.F.R. 1.53(b) and 1.53(f) in which the Declaration and Power of Attorney attached thereto are in unexecuted form. A properly executed Declaration and Power of Attorney will be filed within the time period set forth in the Notice to File Missing Parts of Application, unless such time period has been extended by the filing of a petition accompanied by the extension fee under the provisions of 37 C.F.R. 1.136(a).

Related to the above, this application should be associated with Customer Number 7055, which includes the present correspondence address as follows:

GREENBLUM & BERNSTEIN, P.L.C.
1950 Roland Clarke Place
Reston, VA 20191

The above-identified application includes:

- 33 pages of specification with abstract.
- 6 sheets of drawings with 6 figures.
- 18 total claims and 1 independent.
- an unexecuted Declaration and Power of Attorney.

If there are any questions, please contact the undersigned at the below-listed telephone number.

Respectfully submitted,
Du-Soung KIM et al.


Bruce H. Bernstein
Reg. No. 29,027

33,329

December 4, 2003
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